CESM Whole Atmosphere Working Group Meeting
12 – 13 February 2014
Mesa Lab, Main Seminar Room
National Center for Atmospheric Research – Boulder, Colorado

Webcast: www.fin.ucar.edu/it/mms/ml-live.htm

WEDNESDAY, 12 February

Joint Session: AMWG / WAWG

1:15 The QBO in Satellite Microwave Observations and Climate Models
Curt Covey
1:35 SC-WACCM: A dynamics-only version of WACCM (with specified chemistry)
Karen Smith
1:55 Effects of increased vertical resolution on the simulation of mean climate and the
Quasi-Biennial Oscillation
Yaga Richter
2:15 Toward a prognostic representation of stratospheric sulfate aerosol in CESM
Mike Mills
2:35 Building a sectional aerosol model in CAM5
Pengfei Wu
2:55 CAM angular momentum conservation on slow rotators
Eric Larson
3:15 Break
3:45 Discussion (Vertical resolution development, model top, momentum parameterization, prognostic volcanic aerosols)
5:00 Reception (WAWG only) – Damon Room

THURSDAY, 13 February

8:00 Coffee
8:30 State of WACCM
Andrew Gettelman
8:45 The westward large-scale dynamical behavior of the lower thermosphere
Simulated by WACCMX-SD
Fabrizio Sassi
9:00 CCM SD-WACCM: Contrasting the middle atmosphere and troposphere/
Stratosphere/MLT chemical mechanisms
Doug Kinnison
9:15 Polar stratospheric clouds with CARMA in CESM (WACCM)
Yunqian Zhu
9:30 the importance of accurately representing aerosols from large volcanic eruptions
Jason English
9:45 A new and improved prescribed representation of the stratospheric aerosol
Layer for all flavors of CESM
Ryan Neely
10:00 Break
10:30 Inertial gravity wave parameterization extension for CESM (WACCM)
Rolando Garcia
10:45 Preliminary evaluation of gravity wave forcing in WACCM-SE NE120/L209
Hanli Liu
11:00 How well does SD-WACCM constrain dynamical variability in the mesosphere?
Anne Smith
11:15 WACCM development discussion
Co-chairs
12:30 Adjourn